

SESSION
FULL ESTIMATED COST 0.90 77.96

=> d his

(FILE 'HOME' ENTERED AT 16:01:26 ON 26 APR 2007)

FILE 'REGISTRY' ENTERED AT 16:01:41 ON 26 APR 2007

L1 1 S NATEGLINIDE/CN
L2 STR 105816-04-4
L3 35 S L2 FAM FUL

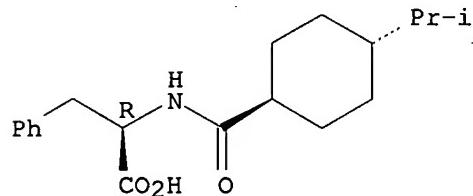
FILE 'STNGUIDE' ENTERED AT 16:05:19 ON 26 APR 2007

=> d 11

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 105816-04-4 REGISTRY
ED Entered STN: 21 Dec 1986
CN D-Phenylalanine, N-[{trans-4-(1-methylethyl)cyclohexyl]carbonyl]- (CA
INDEX NAME)
OTHER CA INDEX NAMES:
CN D-Phenylalanine, N-[{4-(1-methylethyl)cyclohexyl]carbonyl]-, trans-
OTHER NAMES:
CN (-)-N-[{trans-4-Isopropylcyclohexyl]carbonyl]-D-phenylalanine
CN A 4166
CN AY 4166
CN D-Nateglinide
CN DJN 608
CN Fastic
CN Nateglinide
CN SDZ-DJN 608
CN Senaglinide
CN Starlix
CN Starlix DS
CN Starsis
FS STEREOSEARCH
DR 418766-62-8
MF C19 H27 N O3
CI COM
SR CA
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO,
 CA, CABA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHEM, DDFU, DRUGU,
 EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*,
 PATDPASPC, PHAR, PIRA, PROMT, PROUSDDR, PS, RTECS*, SCISEARCH,
 SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

533 REFERENCES IN FILE CA (1907 TO DATE)
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
536 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.06	80.48

FILE 'CAPLUS' ENTERED AT 16:15:22 ON 26 APR 2007
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FILE COVERS 1907 - 26 Apr 2007 VOL 146 ISS 18
FILE LAST UPDATED: 25 Apr 2007 (20070425/ED)

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<http://www.cas.org/infopolicy.html>

=> s 105816-04-4 and (acetone or acetonitrile or nitromethane)
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L5 536 L4

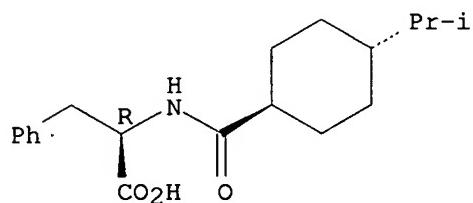
176436 ACETONE
86464 ACETONITRILE
10858 NITROMETHANE
L6 31 L5 AND (ACETONE OR ACETONITRILE OR NITROMETHANE)

=> s 16 and py<2002
21882646 PY<2002
L7 3 L6 AND PY<2002

=> d 1-3 ibib abs hitstr

L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2001:571834 CAPLUS
 DOCUMENT NUMBER: 136:172892
 TITLE: Test for cis-isomer from N-(trans-4-isopropylcyclohexyl-carbonyl)-D-phenylalanine by RP-HPLC
 AUTHOR(S): Si, Duanyun; Zhong, Dafang
 CORPORATE SOURCE: Center of Instrumental Analysis, Shenyang Pharmaceutical University, Shenyang, 110016, Peop. Rep. China
 SOURCE: Yaowu Fenxi Zazhi (2001), 21(3), 153-154
 CODEN: YFZADL; ISSN: 0254-1793
 PUBLISHER: Yaowu Fenxi Zazhi Bianji Weiyuanhui
 DOCUMENT TYPE: Journal
 LANGUAGE: Chinese
 AB A non-chiral RP-HPLC method was developed for testing of the cis-isomer from N-(trans-4-isopropylcyclohexylcarbonyl)-D-phenylalanine (I). Nucleosil C18 column was used with acetonitrile - 0.05 mol L⁻¹ NH₄H₂PO₄ (22.5:77.5) (pH 7.4) as mobile phase (a flow rate of 1.0 mL min⁻¹), and 210 nm as UV detection wavelength. The electrospray ionization-quadrupole ion trap mass spectrometer was applied to verify the separation. The chromatog. peaks with a good resolution of 1.51 at 54.7 min and 49.8 min resulted from I and its cis-isomer, resp. This assay could be used as an ordinary way to test for the cis-isomer impurity of I.
 IT 105816-04-4
 RL: ANT (Analyte); ANST (Analytical study)
 (determination of cis-isomer from
 N-(trans-4-isopropylcyclohexyl-carbonyl)-D-phenylalanine by RP-HPLC)
 RN 105816-04-4 CAPLUS
 CN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1995:964992 CAPLUS
 DOCUMENT NUMBER: 124:155974
 TITLE: Crystals of N-(trans-4-isopropylcyclohexylcarbonyl)-D-phenylalanine and methods for preparing them
 INVENTOR(S): Sumikawa, Michito; Koguchi, Yoshihito; Ohgane, Takao; Irie, Yasuo; Takahashi, Satoji
 PATENT ASSIGNEE(S): Ajinomoto Co., Inc., Japan
 SOURCE: U.S., 12 pp. Cont.-in-part of U.S. Ser. No. 166,144.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 5463116	A	19951031	US 1994-190460	19940202 <--
US 5488150	A	19960130	US 1993-166144	19931214 <--
CA 2114678	A1	19950802	CA 1994-2114678	19940201 <--
CA 2114678	C	19990427		
PRIORITY APPLN. INFO.:			JP 1991-189696	A 19910730
			JP 1991-199453	A 19910808
			US 1992-921224	B1 19920729
			US 1993-166144	A2 19931214

AB Stable crystals of N-(trans-4-isopropylcyclohexylcarbonyl)-D-phenylalanine for pharmaceutical formulation may be produced by treating this compound with a solvent at a temperature of at least 10° and forming crystals in the solvent at a temperature of at least 10°. For example, crystals may be formed by crystallization out of solution, or may be formed from solid particles

of the compound suspended in a solvent. Crystals formed in this way have different m.p., IR spectrum and X-ray diffraction patterns from previously known forms of the compound and have enhanced processability, e.g., stability to grinding.

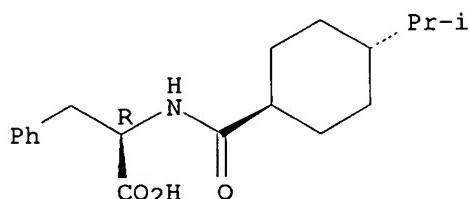
IT 105816-04-4

RL: PEP (Physical, engineering or chemical process); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses) (crystallization of (isopropylcyclohexylcarbonyl)phenylalanine for enhanced stability to grinding)

RN 105816-04-4 CAPLUS

CN D-Phenylalanine, N-[[(trans-4-(1-methylethyl)cyclohexyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1993:261002 CAPLUS

DOCUMENT NUMBER: 118:261002

TITLE: Stable crystals of N-(trans-4-

isopropylcyclohexylcarbonyl)-D-phenylalanine

INVENTOR(S): Sumikawa, Michito; Koguchi, Yoshihito; Ohgane, Takao;

Irie, Yasuo; Takahashi, Satoji

PATENT ASSIGNEE(S): Ajinomoto Co., Inc., Japan

SOURCE: Eur. Pat. Appl., 14 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 526171	A2	19930203	EP 1992-306895	19920729 <--
EP 526171	A3	19930505		
EP 526171	B1	19970305		
R: AT, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE JP 05208943	A	19930820	JP 1992-202686	19920729 <--

JP 2508949

B2 19960619

19920729 <--

AT 149483

T 19970315

AT 1992-306895

19920729 <--

ES 2100291

T3 19970616

ES 1992-306895

19920729 <--

CA 2114678

A1 19950802

CA 1994-2114678

19940201 <--

CA 2114678

C 19990427

PRIORITY APPLN. INFO.:

JP 1991-189696 A 19910730

JP 1991-199453 A 19910808

AB Stable H-type crystals of N-(trans-4-isopropylcyclohexylcarbonyl)-D-phenylalanine (I) are obtained by treating I with a solvent, at >10°. A solution of 5 g I in 20 mL acetone was added to a stirred mixture of 40 mL acetone and 60 mL water, at 25° to precipitate H-type crystals. The crystals have different m.p., IR spectrum and x-ray diffraction patterns from known forms of I and are not converted to other forms when ground.

IT 105816-04-4P

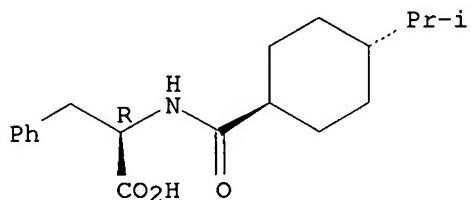
RL: PREP (Preparation)

(crystals, stable, preparation of)

RN 105816-04-4 CAPLUS

CN D-Phenylalanine, N-[(trans-4-(1-methylethyl)cyclohexyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



on STN
NEWS 24 APR 02 JICST-EPLUS removed from database clusters and STN

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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STRUCTURE FILE UPDATES: 25 APR 2007 HIGHEST RN 932710-95-7
DICTIONARY FILE UPDATES: 25 APR 2007 HIGHEST RN 932710-95-7

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=> s nateglinide/cn

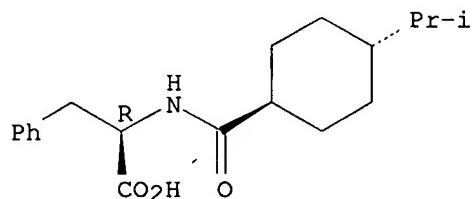
L1 1 NATEGLINIDE/CN

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L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 105816-04-4 REGISTRY
ED Entered STN: 21 Dec 1986

CN D-Phenylalanine, N-[*trans*-4-(1-methylethyl)cyclohexyl]carbonyl- (CA
 INDEX NAME)
 OTHER CA INDEX NAMES:
 CN D-Phenylalanine, N-[*trans*-4-(1-methylethyl)cyclohexyl]carbonyl-, *trans*-
 OTHER NAMES:
 CN (-)-N-[*trans*-4-Isopropylcyclohexyl]carbonyl-D-phenylalanine
 CN A 4166
 CN AY 4166
 CN D-Nateglinide
 CN DJN 608
 CN Fastic
 CN Nateglinide
 CN SDZ-DJN 608
 CN Senaglinide
 CN Starlix
 CN Starlix DS
 CN Starsis
 FS STEREOSEARCH
 DR 418766-62-8
 MF C19 H27 N O3
 CI COM
 SR CA
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO,
 CA, CABA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHEM, DDFU, DRUGU,
 EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*,
 PATDPASPC, PHAR, PIRA, PROMT, PROUSDDR, PS, RTECS*, SCISEARCH,
 SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

533 REFERENCES IN FILE CA (1907 TO DATE)
 10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 536 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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:end
L2 STRUCTURE CREATED
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FULL SCREEN SEARCH COMPLETED - 436 TO ITERATE
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100.0% PROCESSED 436 ITERATIONS
SEARCH TIME: 00.00.01
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35 ANSWERS

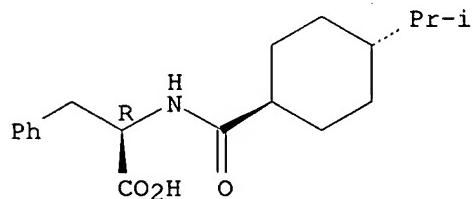
L3 35 SEA FAM FUL L2

=> d scan

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN D-Phenylalanine, N-[*trans*-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
with methanol (9CI)
MF C19 H27 N O3 . x C H4 O

CM 1

Absolute stereochemistry.



CM 2

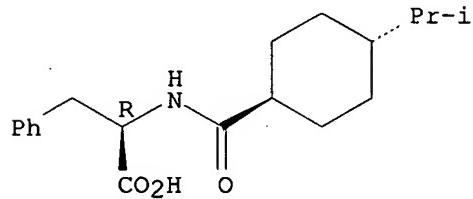
H₃C—OH

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):34

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN D-Phenylalanine, N-[*trans*-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
with heptane (9CI)
MF C19 H27 N O3 . x C7 H16

CM 1

Absolute stereochemistry.

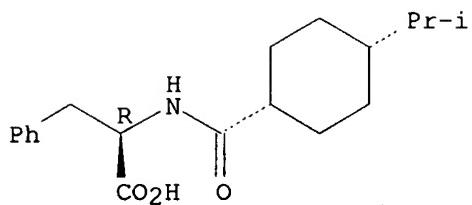


CM 2

Me—(CH₂)₅—Me

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN D-Phenylalanine, N-[*cis*-4-(1-methylethyl)cyclohexyl]carbonyl- (9CI)
MF C19 H27 N O3

Absolute stereochemistry.

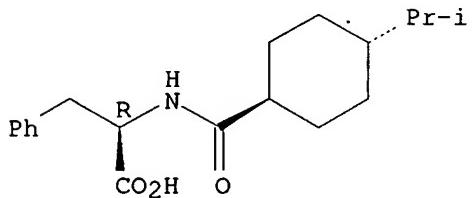


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[*trans*-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
 with ethanol (9CI)
 MF C19 H27 N O3 . x C2 H6 O

CM 1

Absolute stereochemistry.



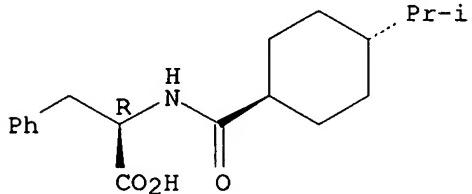
CM 2

H₃C—CH₂—OH

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[*trans*-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
 with β -cyclodextrin (3:1) (9CI)
 MF C42 H70 O35 . 3 C19 H27 N O3

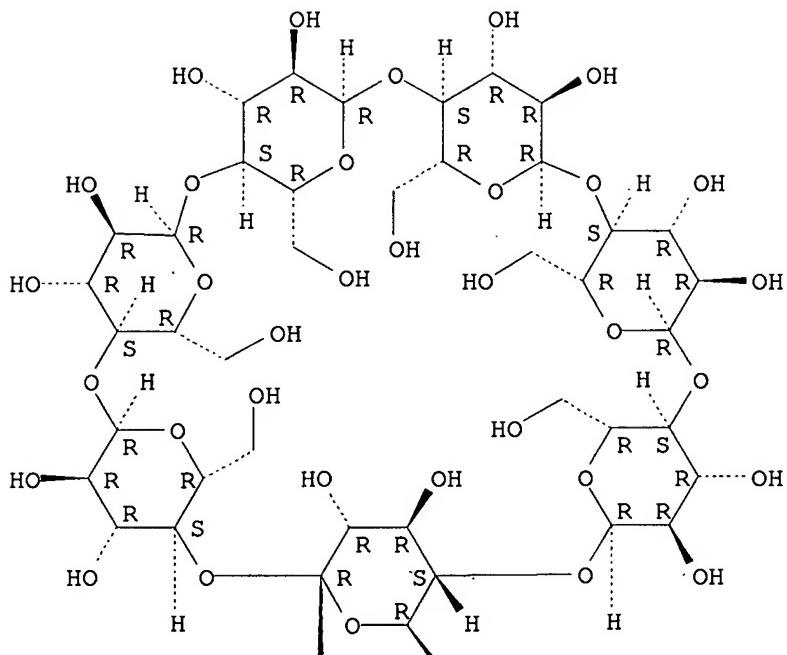
CM 1

Absolute stereochemistry.



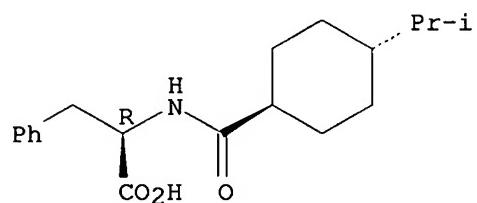
CM 2

Absolute stereochemistry.



L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-, hydrate
 (9CI)
 MF C19 H27 N O3 . x H2O

Absolute stereochemistry.

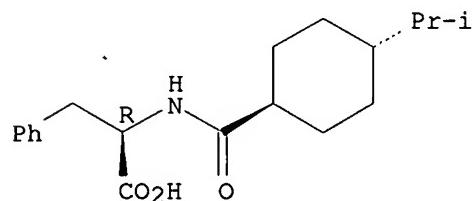


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

IN D-Phenylalanine, N-[*trans*-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.
with 1-butanol (9CI)
MF C19 H27 N O3 . x C4 H10 O

CM 1

Absolute stereochemistry.



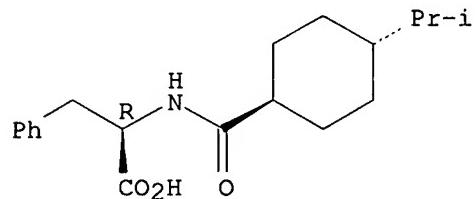
CM 2

H₃C—CH₂—CH₂—CH₂—OH

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN D-Phenylalanine, N-[*trans*-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.
with β -cyclodextrin (2:1) (9CI)
MF C42 H70 O35 . 2 C19 H27 N O3

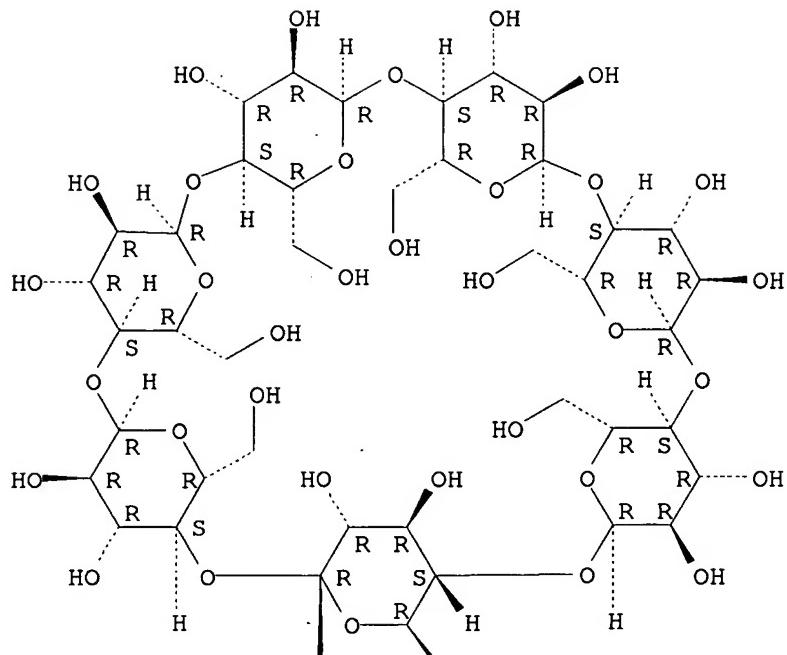
CM 1

Absolute stereochemistry.



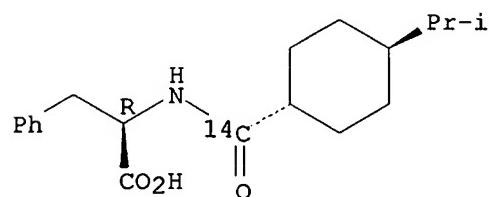
CM 2

Absolute stereochemistry.



L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl-14C]-
 (9CI)
 MF C19 H27 N O3

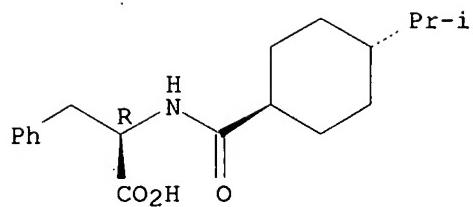
Absolute stereochemistry.



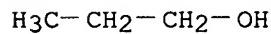
L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.
 with 1-propanol (9CI)
 MF C19 H27 N O3 . x C3 H8 O

CM 1

Absolute stereochemistry.



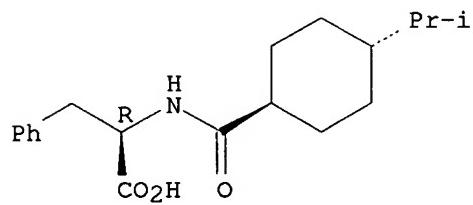
CM 2



L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
with 2A, 2B, 2C, 2D, 2E, 2F, 2G, 6A, 6B, 6C, 6D, 6E, 6F, 6G-tetradeca-O-methyl- β -cyclodextrin (1:1) (9CI)
MF C56 H98 O35 . C19 H27 N O3

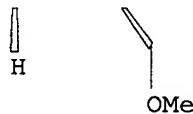
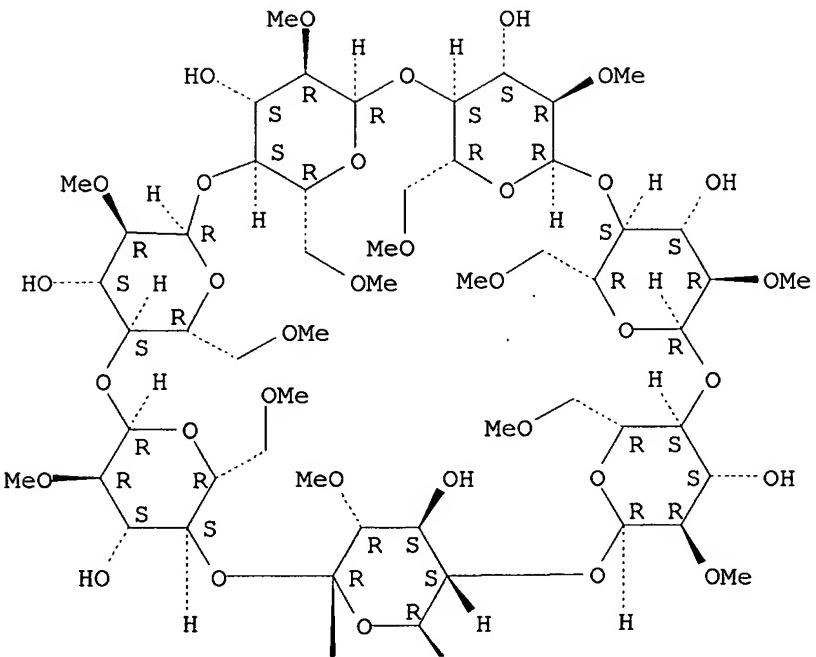
CM 1

Absolute stereochemistry.



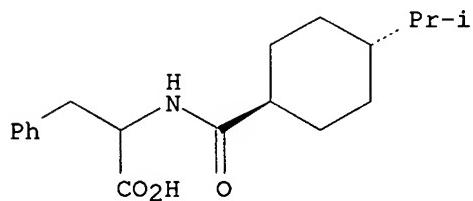
CM 2

Absolute stereochemistry.



L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]- (9CI)
 MF C19 H27 N O3

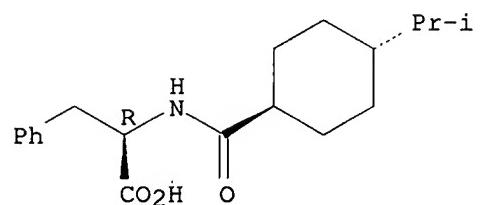
Relative stereochemistry.



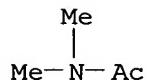
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.
 with N,N-dimethylacetamide (9CI)
 MF C19 H27 N O3 . x C4 H9 N O

Absolute stereochemistry.



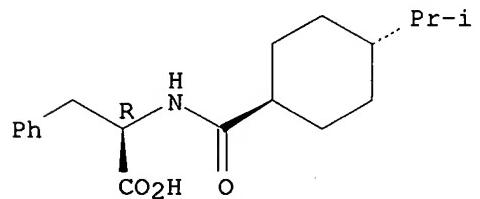
CM 2



L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
with 2A, 2B, 2C, 2D, 2E, 2F, 2G, 3A, 3B, 3C, 3D, 3E, 3F, 3G, 6A, 6B, 6C, 6D, 6E, 6F, 6G-
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MF C63 H112 O35 . C19 H27 N O3

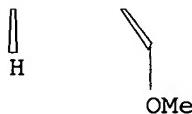
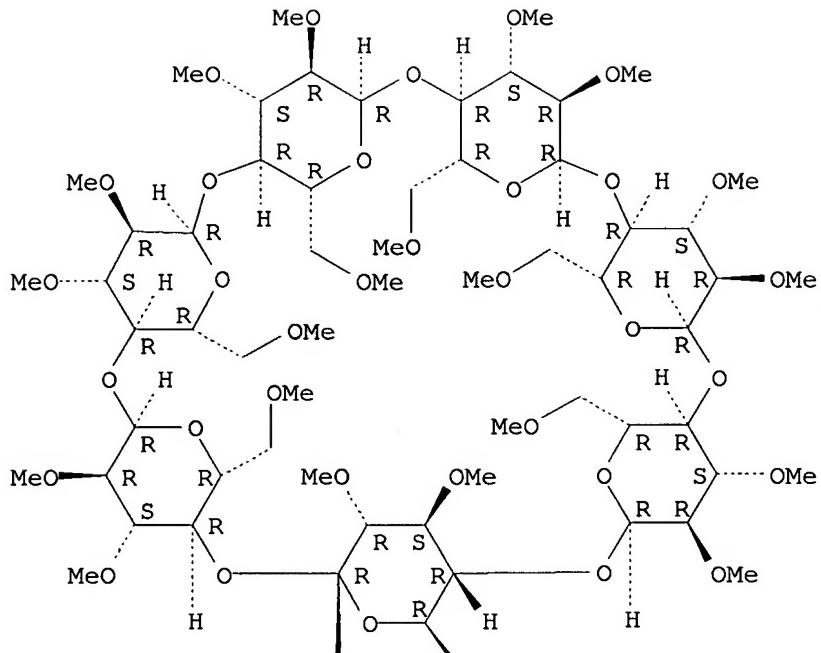
CM 1

Absolute stereochemistry.



CM 2

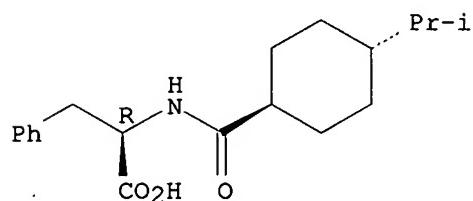
Absolute stereochemistry.



L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
 with 1-deoxy-1-(methylamino)-D-glucitol (1:1) (9CI)
 MF C19 H27 N O3 . C7 H17 N O5

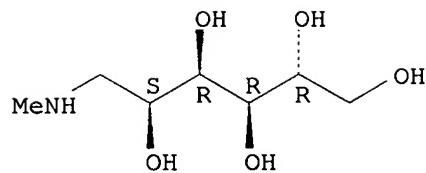
CM 1

Absolute stereochemistry.



CM 2

Absolute stereochemistry.

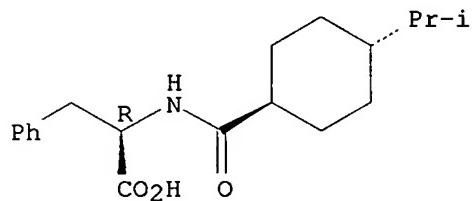


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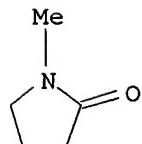
L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[*trans*-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
 with 1-methyl-2-pyrrolidinone (9CI)
 MF C19 H27 N O3 . x C5 H9 N O

CM 1

Absolute stereochemistry.



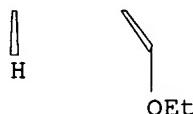
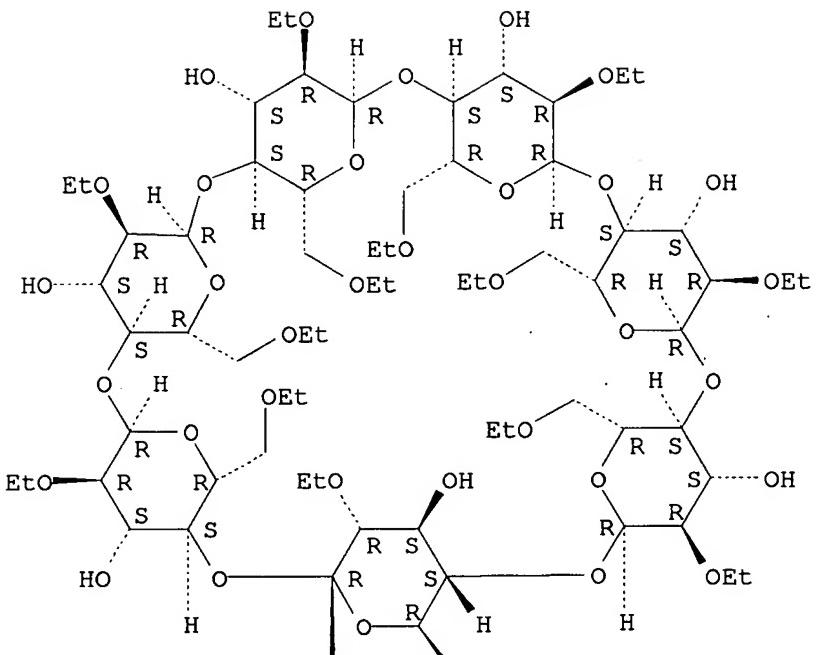
CM 2



L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[*trans*-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
 with 2A,2B,2C,2D,2E,2F,2G,6A,6B,6C,6D,6E,6F,6G-tetradeca-O-ethyl-β-
 cyclodextrin (1:1) (9CI)
 MF C70 H126 O35 . C19 H27 N O3

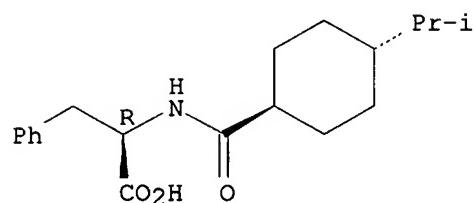
CM 1

Absolute stereochemistry.



CM 2

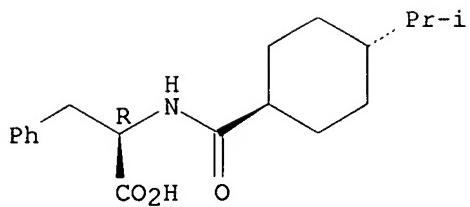
Absolute stereochemistry.



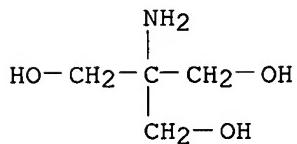
L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.
 with 2-amino-2-(hydroxymethyl)-1,3-propanediol (1:1) (9CI)
 MF C19 H27 N O3 . C4 H11 N O3

CM 1

Absolute stereochemistry.



CM 2

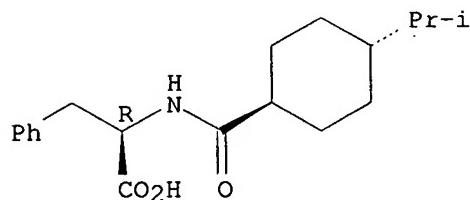


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

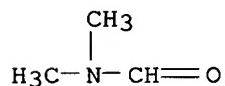
L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
 with N,N-dimethylformamide (9CI)
 MF C19 H27 N O3 . x C3 H7 N O

CM 1

Absolute stereochemistry.



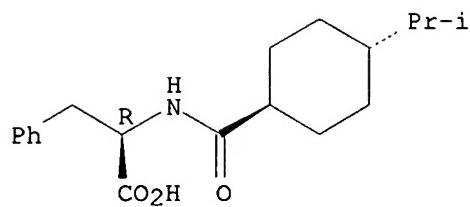
CM 2



L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
 with β -cyclodextrin (1:1) (9CI)
 MF C42 H70 O35 . C19 H27 N O3

CM 1

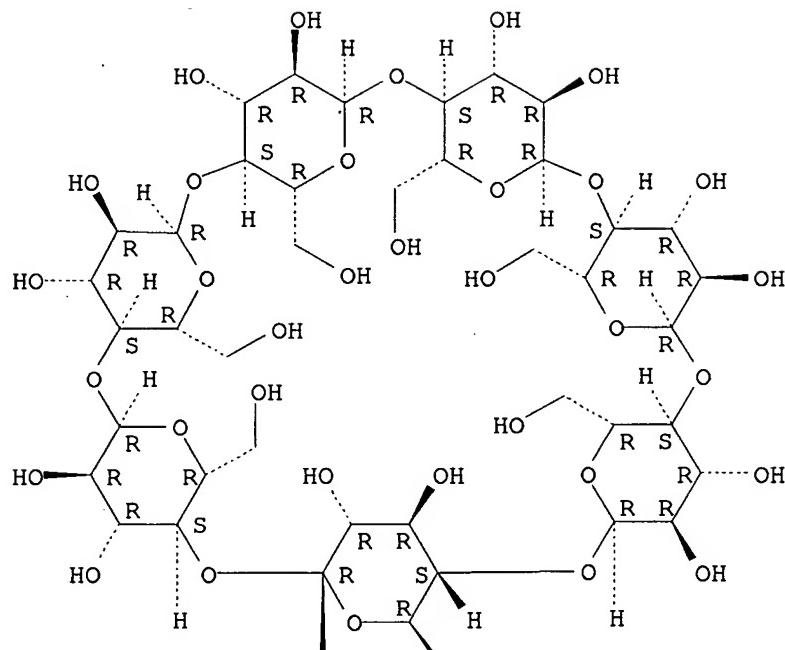
Absolute stereochemistry.



CM 2

Absolute stereochemistry.

PAGE 1-A



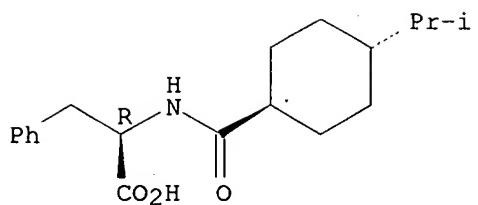
PAGE 2-A



L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
 with L-lysine (1:1) (9CI)
 MF C₁₉ H₂₇ N O₃. C₆ H₁₄ N₂ O₂

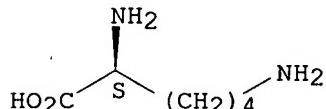
CM 1

Absolute stereochemistry.



CM 2

Absolute stereochemistry.

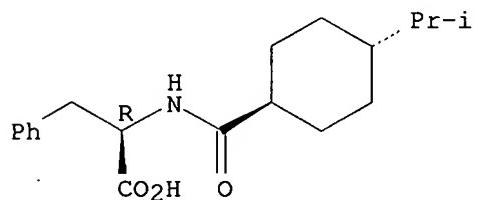


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
 with 1,2-dimethoxyethane (9CI)
 MF C19 H27 N O3 . x C4 H10 O2

CM 1

Absolute stereochemistry.



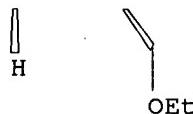
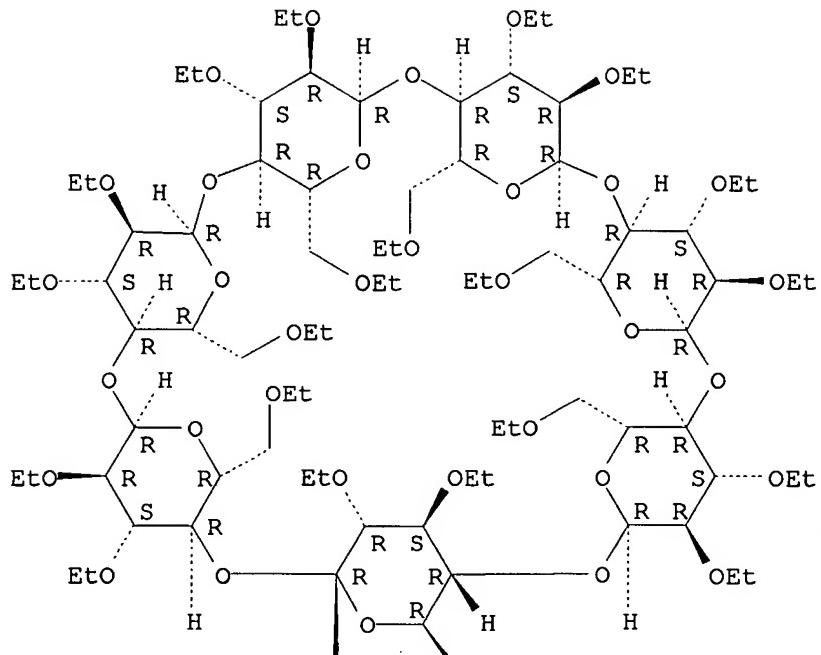
CM 2

MeO—CH₂—CH₂—OMe

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
 with 2A,2B,2C,2D,2E,2F,2G,3A,3B,3C,3D,3E,3F,3G,6A,6B,6C,6D,6E,6F,6G-
 heneicosa-O-ethyl-β-cyclodextrin (1:1) (9CI)
 MF C84 H154 O35 . C19 H27 N O3

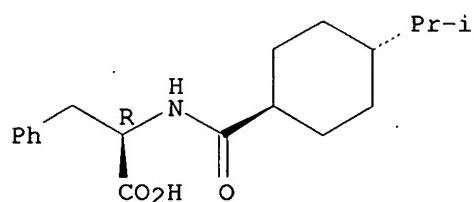
CM 1

Absolute stereochemistry.



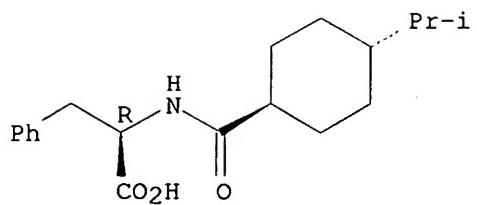
CM 2

Absolute stereochemistry.



L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-,
 monosodium salt (9CI)
 MF C19 H27 N O3 . Na

Absolute stereochemistry.



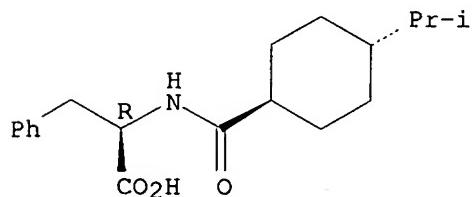
● Na

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
 with dimethylbenzene (9CI)
 MF C19 H27 N O3 . x C8 H10

CM 1

Absolute stereochemistry.



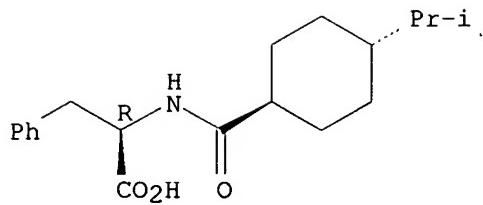
CM 2



2 (D1-Me)

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-,
 hydrochloride (2:1), hydrate (2:1) (9CI)
 MF C19 H27 N O3 . 1/2 Cl H . 1/2 H2 O

Absolute stereochemistry.



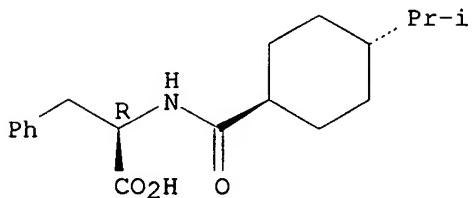
● 1/2 HCl

● 1/2 H₂O

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY. COPYRIGHT 2007 ACS on STN
IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-,
monopotassium salt (9CI)
MF C19 H27 N O3 . K

Absolute stereochemistry.



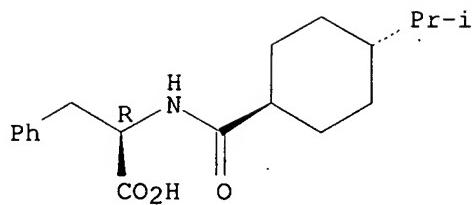
● K

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

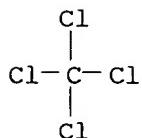
L3 35 ANSWERS REGISTRY. COPYRIGHT 2007 ACS on STN
IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.
with tetrachloromethane (9CI)
MF C19 H27 N O3 . x C Cl4

CM 1

Absolute stereochemistry.

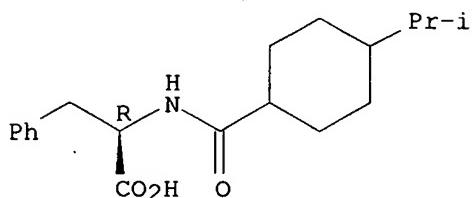


CM 2



L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[4-(1-methylethyl)cyclohexyl]carbonyl]- (9CI)
 MF C19 H27 N O3

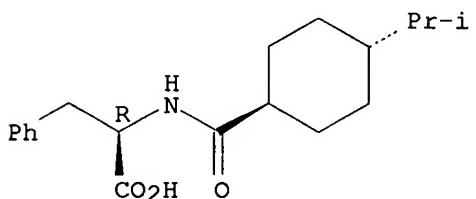
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, calcium salt (2:1) (9CI)
 MF C19 H27 N O3 . 1/2 Ca

Absolute stereochemistry.



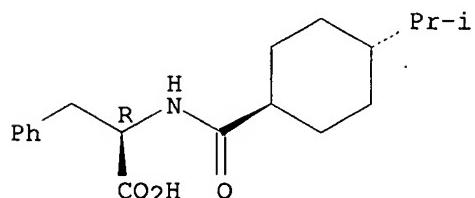
● 1/2 Ca

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
with 1,2-dichloroethane (9CI)
MF C19 H27 N O3 . x C2 H4 Cl2

CM 1

Absolute stereochemistry.

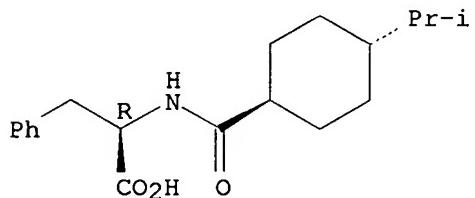


CM 2

Cl—CH₂—CH₂—Cl

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-
MF C19 H27 N O3
CI COM

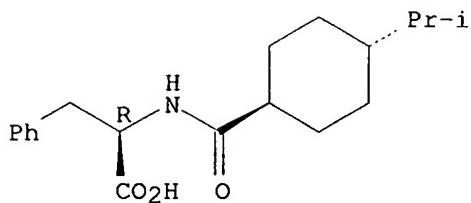
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-,
ammonium salt (9CI)
MF C19 H27 N O3 . x H3 N

Absolute stereochemistry.



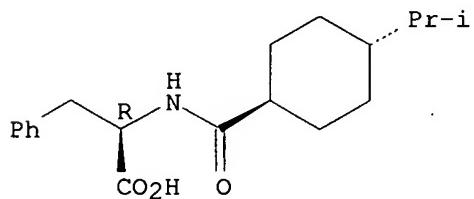
● x NH₃

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

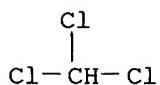
L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN D-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl-, compd.
 with trichloromethane (9CI)
 MF C₁₉ H₂₇ N O₃ . x C H Cl₃

CM 1

Absolute stereochemistry.

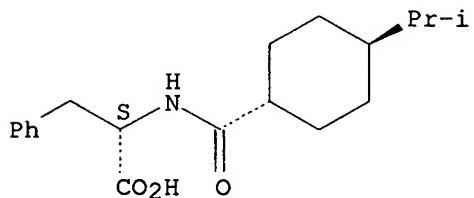


CM 2



L3 35 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
 IN L-Phenylalanine, N-[trans-4-(1-methylethyl)cyclohexyl]carbonyl- (9CI)
 MF C₁₉ H₂₇ N O₃

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

Refine Search

Search Results -

Terms	Documents
L1 and 562/\$	16

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L2

Search History

DATE: Thursday, April 26, 2007 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

Set Name Query
side by side

Hit Count Set Name
result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L2</u>	L1 and 562/\$	16	<u>L2</u>
<u>L1</u>	nateglinide.ti. and (acetone or nitromethane or acetonitrile)	19	<u>L1</u>

END OF SEARCH HISTORY

Hit List

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Search Results - Record(s) 1 through 10 of 19 returned.

1. Document ID: US 20070004804 A1

L1: Entry 1 of 19

File: PGPB

Jan 4, 2007

PGPUB-DOCUMENT-NUMBER: 20070004804

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070004804 A1

TITLE: Polymorphic forms of nateglinide

PUBLICATION-DATE: January 4, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yahalom; Ronit	Kiryat Bialik		IL
Shapiro; Evgeny	Haifa		IL
Dolitzky; Ben-Zion	Petach Tiqva		IL
Gozlan; Igal	Haifa		IL
Gome; Boaz	Rishon-Lezion		IL
Wizel; Shlomit	Petah Tiqva		IL

US-CL-CURRENT: 514/563; 562/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D
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2. Document ID: US 20060148902 A1

L1: Entry 2 of 19

File: PGPB

Jul 6, 2006

PGPUB-DOCUMENT-NUMBER: 20060148902

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060148902 A1

TITLE: Process for the preparation of nateglinide, preferably in B-form

PUBLICATION-DATE: July 6, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Vigano'; Enrico	Lurago D'Erba		IT
Pizzatti; Enrica	Poggiridenti		IT
Lanfranconi; Simona	Montano Lucino		IT

Molteni; Renato
Landonio; Ernesto

Inverigo
Rescaldina

IT
IT

US-CL-CURRENT: 514/563; 562/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KINIC	Drawn D
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3. Document ID: US 20060004102 A1

L1: Entry 3 of 19

File: PGPB

Jan 5, 2006

PGPUB-DOCUMENT-NUMBER: 20060004102

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060004102 A1

TITLE: Polymorphic forms of nateglinide

PUBLICATION-DATE: January 5, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wizel; Shlomit	Petah Tiqva	IL	IL
Frenkel; Gustavo	Beer Sheva	IL	IL
Gome; Boaz	Rishon-Lezion	IL	IL

US-CL-CURRENT: 514/563; 562/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KINIC	Drawn D
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4. Document ID: US 20050234129 A1

L1: Entry 4 of 19

File: PGPB

Oct 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050234129

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050234129 A1

TITLE: Salts of nateglinide

PUBLICATION-DATE: October 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sutton, Paul Allen	Parsippany	NJ	US
Vivilecchia, Richard Victor	Rockaway	NJ	US
Parker, David John	West Milford	NJ	US
De La Cruz, Marilyn	Matawan	NJ	US

US-CL-CURRENT: 514/563; 514/62, 536/55.3, 562/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Drawn D.
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5. Document ID: US 20050101672 A1

L1: Entry 5 of 19

File: PGPB

May 12, 2005

PGPUB-DOCUMENT-NUMBER: 20050101672

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050101672 A1

TITLE: Nateglinide crystals

PUBLICATION-DATE: May 12, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Koguchi, Yoshihito	Kawasaki-Shi		JP
Nakao, Tomoko	Kawasaki-Shi		JP
Sumikawa, Michito	Kawasaki-Shi		JP

US-CL-CURRENT: 514/563; 562/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Drawn D.
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6. Document ID: US 20050090552 A1

L1: Entry 6 of 19

File: PGPB

Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050090552

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050090552 A1

TITLE: Polymorphic forms of nateglinide

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yahalom, Ronit	Kiryat Bialik		IL
Shapiro, Evgeny	Haifa		IL
Dolitzky, Ben-Zion	Petach Tiqva		IL
Gozlan, Igal	Haifa		IL
Gome, Boaz	Rishon-Lezion		IL

US-CL-CURRENT: 514/563; 562/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Drawn D.
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7. Document ID: US 20050075400 A1

L1: Entry 7 of 19

File: PGPB

Apr 7, 2005

PGPUB-DOCUMENT-NUMBER: 20050075400

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050075400 A1

TITLE: Polymorphic forms of nateglinide

PUBLICATION-DATE: April 7, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yahalom, Ronit	Kiryat Bialik		IL
Shapiro, Evgeny	Haifa		IL
Dolitzky, Ben-Zion	Petach Tiqva		IL
Gozlan, Yigael	Ramot Sapir		IL
Gome, Boaz	Rishon-Lezion		IL

US-CL-CURRENT: 514/563; 562/445[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

 8. Document ID: US 20050014949 A1

L1: Entry 8 of 19

File: PGPB

Jan 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050014949

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050014949 A1

TITLE: Polymorphic forms of nateglinide

PUBLICATION-DATE: January 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yahalom, Ronit	Kiryat Bialik		IL
Shapiro, Evgeny	Haifa		IL
Dolitzky, Ben-Zion	Petach Tiqva		IL
Gozlan, Yigael	Ramot Sapir		IL
Gome, Boaz	Rishon-Lezion		IL

US-CL-CURRENT: 546/270.4[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

 9. Document ID: US 20050014836 A1

L1: Entry 9 of 19

File: PGPB

Jan 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050014836
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050014836 A1

TITLE: Crystalline form of nateglinide

PUBLICATION-DATE: January 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Frenkel, Gustavo	Beer Sheva		IL
Gome, Boaz	Rishon-Lezion		IL
Wizel, Shlomit	Petah Tiqva		IL

US-CL-CURRENT: 514/563; 562/450

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

10. Document ID: US 20040181089 A1

L1: Entry 10 of 19

File: PGPB

Sep 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040181089
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040181089 A1

TITLE: Polymorphic forms of nateglinide

PUBLICATION-DATE: September 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yahalomi, Ronit	Kiryat Bialik		IL
Shapiro, Evgeny	Haifa		IL
Dolitzky, Ben-Zion	Petach Tiqva		IL
Gozlan, Yigael	Ramot Sapir		IL
Gome, Boaz	Rishon-Lezion		IL

US-CL-CURRENT: 562/450

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

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Terms	Documents
nateglinide.ti. and (acetone or nitromethane	

(or acetonitrile)

19

Display Format:

[Previous Page](#) [Next Page](#) [Go to Doc#](#)

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Search Results - Record(s) 11 through 19 of 19 returned.

11. Document ID: US 20040152782 A1

L1: Entry 11 of 19

File: PGPB

Aug 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040152782

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040152782 A1

TITLE: Process for preparing nateglinide and intermediates thereof

PUBLICATION-DATE: August 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yahalom, Ronit	Kiryat Bialik		IL
Shapiro, Evgeny	Haifa		IL
Dolitzky, Ben-Zion	Petach Tiqva		IL
Gozlan, Yigael	Ramot Sapir		IL

US-CL-CURRENT: 514/563; 562/450, 562/862

<input type="button" value="Full"/>	<input type="button" value="Title"/>	<input type="button" value="Citation"/>	<input type="button" value="Front"/>	<input type="button" value="Review"/>	<input type="button" value="Classification"/>	<input type="button" value="Date"/>	<input type="button" value="Reference"/>	<input type="button" value="Sequences"/>	<input type="button" value="Attachments"/>	<input type="button" value="Claims"/>	<input type="button" value="KMC"/>	<input type="button" value="Drawn D..."/>
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12. Document ID: US 20040116526 A1

L1: Entry 12 of 19

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040116526

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040116526 A1

TITLE: Polymorphic forms of nateglinide

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yahalom, Ronit	Kiryat Bialik		IL
Shapiro, Evgeny	Haifa		IL
Dolitzky, Ben-Zion	Petach Tiqva		IL
Gozlan, Yigael	Ramot Sapir		IL
Gome, Boaz	Rishon-Lezion		IL

US-CL-CURRENT: 514/563; 562/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D
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 13. Document ID: US 20040030182 A1

L1: Entry 13 of 19

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040030182

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040030182 A1

TITLE: Methods for producing nateglinide crystals

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Takahashi, Daisuke	Yokkaichi-Shi		JP
Nishi, Seiichi	Yokkaichi-Shi		JP
Takahashi, Satoji	Yokkaichi-Shi		JP

US-CL-CURRENT: 562/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D
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 14. Document ID: US 20040029968 A1

L1: Entry 14 of 19

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040029968

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040029968 A1

TITLE: Nateglinide-containing hydrophilic pharmaceutical preparation

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ninomiya, Nobutaka	Kawasaki-Shi		JP
Makino, Chisato	Kawasaki-Shi		JP
Yabuki, Akira	Kawasaki-Shi		JP

US-CL-CURRENT: 514/563; 562/450

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Drawn D
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15. Document ID: US 20040014815 A1

L1: Entry 15 of 19

File: PGPB

Jan 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040014815

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040014815 A1

TITLE: Nateglinide-containing preparation

PUBLICATION-DATE: January 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ninomiya, Nobutaka	Kawasaki-Shi		JP
Makino, Chisato	Kawasaki-Shi		JP
Yabuki, Akira	Kawasaki-Shi		JP

US-CL-CURRENT: 514/563[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

 16. Document ID: US 7208622 B2

L1: Entry 16 of 19

File: USPT

Apr 24, 2007

US-PAT-NO: 7208622

DOCUMENT-IDENTIFIER: US 7208622 B2

TITLE: Methods for producing nateglinide crystals

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20040030182 A1	February 12, 2004

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

 17. Document ID: US 7148376 B2

L1: Entry 17 of 19

File: USPT

Dec 12, 2006

US-PAT-NO: 7148376

DOCUMENT-IDENTIFIER: US 7148376 B2

TITLE: Polymorphic forms of nateglinide

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20040116526 A1	June 17, 2004

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

18. Document ID: US 6861553 B2

L1: Entry 18 of 19

File: USPT

Mar 1, 2005

US-PAT-NO: 6861553

DOCUMENT-IDENTIFIER: US 6861553 B2

TITLE: Process for preparing nateglinide and intermediates thereof

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

19. Document ID: EP 1656339 A1, WO 2005110972 A1, US 20060004102 A1

L1: Entry 19 of 19

File: DWPI

May 17, 2006

DERWENT-ACC-NO: 2006-038491

DERWENT-WEEK: 200634

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TITLE: New crystalline form of nateglinide ammonium salt and crystalline forms of nateglinide in the form of lambda useful for lowering blood glucose levels

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D.](#)

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Terms	Documents
nateglinide.ti. and (acetone or nitromethane or acetonitrile)	19

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